

**2051 - AVT-IR-TS-TAD-PZ , 2020-21
LOCATIONWISE MEAN YIELD (q/ha)**

| SN | Variety | Code | Maharashtra | | | | | | | | | | | | | | |
|------------------|-----------------|---------|-------------|----|---|----------|----|---|----------|----|---|----------|----|---|----------|----|---|
| | | | Niphad | | | Pune | | | Akola | | | Parbhani | | | Karad | | |
| | | | Yield | Rk | G | Yield | Rk | G | Yield | Rk | G | Yield | Rk | G | Yield | Rk | G |
| 1 | WHD965(d) | PZTS101 | 37.8 | 10 | 0 | 46.6 | 5 | 0 | 37.8 | 9 | 0 | 37.7 | 12 | 0 | 40.4 | 5 | 1 |
| 2 | HI8826(d) | PZTS103 | 45.7 | 1 | 1 | 51.9 | 1 | 1 | 45.6 | 1 | 1 | 47.4 | 3 | 1 | 40.8 | 4 | 1 |
| 3 | MACS4100(d) | PZTS104 | 39.8 | 6 | 1 | 43.5 | 8 | 0 | 39.7 | 5 | 0 | 41.6 | 8 | 1 | 40.1 | 6 | 1 |
| 4 | DDW53(d) | PZTS106 | 40.9 | 4 | 1 | 50.1 | 2 | 1 | 40.0 | 3 | 0 | 39.6 | 10 | 0 | 39.0 | 8 | 1 |
| 5 | NIDW1345(d) | PZTS107 | 39.1 | 8 | 0 | 42.3 | 10 | 0 | 38.2 | 8 | 0 | 42.9 | 7 | 1 | 37.0 | 12 | 0 |
| 6 | MACS4106(d) | PZTS109 | 32.0 | 14 | 0 | 35.3 | 13 | 0 | 31.1 | 14 | 0 | 47.0 | 5 | 1 | 42.1 | 3 | 1 |
| 7 | NIDW1348(d) | PZTS110 | 41.8 | 3 | 1 | 47.6 | 3 | 0 | 38.4 | 7 | 0 | 40.7 | 9 | 0 | 38.9 | 9 | 1 |
| 8 | HI8828(d) | PZTS111 | 34.9 | 12 | 0 | 41.0 | 11 | 0 | 33.5 | 13 | 0 | 37.1 | 13 | 0 | 36.8 | 13 | 0 |
| 9 | HI8827(d) | PZTS113 | 39.7 | 7 | 1 | 34.3 | 14 | 0 | 34.3 | 12 | 0 | 47.4 | 2 | 1 | 39.5 | 7 | 1 |
| 10 | MACS6222 (C) | PZTS108 | 44.3 | 2 | 1 | 42.7 | 9 | 0 | 36.7 | 11 | 0 | 47.5 | 1 | 1 | 36.1 | 14 | 0 |
| 11 | GW322 (C) | PZTS112 | 40.6 | 5 | 1 | 44.6 | 7 | 0 | 38.6 | 6 | 0 | 36.9 | 14 | 0 | 37.3 | 11 | 0 |
| 12 | UAS428(d) (C) | PZTS102 | 32.4 | 13 | 0 | 38.5 | 12 | 0 | 37.3 | 10 | 0 | 39.1 | 11 | 0 | 38.0 | 10 | 1 |
| 13 | MACS3949(d) (C) | PZTS105 | 38.2 | 9 | 0 | 45.6 | 6 | 0 | 41.4 | 2 | 0 | 47.3 | 4 | 1 | 43.7 | 1 | 1 |
| 14 | DDW48(d)(I) (C) | PZTS114 | 36.8 | 11 | 0 | 47.2 | 4 | 0 | 39.9 | 4 | 0 | 43.7 | 6 | 1 | 43.5 | 2 | 1 |
| G.M. | | | 38.9 | | | 43.7 | | | 38.0 | | | 42.6 | | | 39.5 | | |
| S.E.(M) | | | 2.221 | | | 1.430 | | | 1.156 | | | 2.358 | | | 2.218 | | |
| C.D. (10%) | | | 6.4 | | | 4.1 | | | 3.3 | | | 6.7 | | | 6.3 | | |
| C.V. | | | 11.4 | | | 6.6 | | | 6.1 | | | 11.1 | | | 11.2 | | |
| D.O.S.(dd.mm.yy) | | | 14.11.20 | | | 07.11.20 | | | 06.11.20 | | | 15.11.20 | | | 18.11.20 | | |

No. of Trials : Proposed = 16 Conducted = 16
 Trial not reported (06) = Kolhapur (RMT), Nasik (LS), K.Digranj (RMT), Parvaranagar (LSM),
 Arbhavi (LSM), Mandya (LSM)

**2051 - AVT-IR-TS-TAD-PZ , 2020-21
LOCATIONWISE MEAN YIELD (q/ha)**

| SN | Variety | Code | Karnataka | | | | | | | | | | | | | | |
|------------------|-----------------|---------|-----------|----|---|------------|----|---|----------|----|---|----------|----|---|----------|----|---|
| | | | Dharwad | | | Ugar-Khurd | | | Kalloli | | | Mudhol | | | Nippani | | |
| | | | Yield | Rk | G | Yield | Rk | G | Yield | Rk | G | Yield | Rk | G | Yield | Rk | G |
| 1 | WHD965(d) | PZTS101 | 40.4 | 11 | 0 | 44.0 | 7 | 0 | 42.6 | 5 | 1 | 41.4 | 5 | 1 | 48.1 | 2 | 1 |
| 2 | HI8826(d) | PZTS103 | 49.3 | 2 | 1 | 49.9 | 3 | 1 | 33.5 | 9 | 0 | 46.2 | 1 | 1 | 41.0 | 13 | 0 |
| 3 | MACS4100(d) | PZTS104 | 47.0 | 4 | 1 | 48.2 | 2 | 1 | 47.9 | 1 | 1 | 45.4 | 2 | 1 | 46.8 | 4 | 1 |
| 4 | DDW53(d) | PZTS106 | 45.5 | 6 | 1 | 38.0 | 11 | 0 | 23.9 | 14 | 0 | 40.8 | 8 | 1 | 38.6 | 14 | 0 |
| 5 | NIDW1345(d) | PZTS107 | 34.8 | 14 | 0 | 37.7 | 5 | 1 | 41.6 | 6 | 0 | 38.2 | 11 | 0 | 44.1 | 8 | 1 |
| 6 | MACS4106(d) | PZTS109 | 40.8 | 10 | 0 | 33.5 | 9 | 0 | 32.4 | 10 | 0 | 30.5 | 14 | 0 | 43.6 | 9 | 0 |
| 7 | NIDW1348(d) | PZTS110 | 47.3 | 3 | 1 | 40.7 | 12 | 0 | 46.2 | 3 | 1 | 38.4 | 10 | 0 | 45.7 | 6 | 1 |
| 8 | HI8828(d) | PZTS111 | 37.3 | 13 | 0 | 37.6 | 4 | 1 | 26.8 | 12 | 0 | 42.1 | 4 | 1 | 43.4 | 10 | 0 |
| 9 | HI8827(d) | PZTS113 | 39.4 | 12 | 0 | 37.0 | 8 | 0 | 45.1 | 4 | 1 | 40.3 | 9 | 1 | 46.1 | 5 | 1 |
| 10 | MACS6222 (C) | PZTS108 | 45.3 | 7 | 1 | 44.5 | 14 | 0 | 47.6 | 2 | 1 | 36.8 | 12 | 0 | 47.0 | 3 | 1 |
| 11 | GW322 (C) | PZTS112 | 50.3 | 1 | 1 | 45.8 | 13 | 0 | 40.8 | 7 | 0 | 41.1 | 7 | 1 | 50.3 | 1 | 1 |
| 12 | UAS428(d) (C) | PZTS102 | 44.5 | 8 | 1 | 43.7 | 1 | 1 | 37.0 | 8 | 0 | 45.0 | 3 | 1 | 42.0 | 12 | 0 |
| 13 | MACS3949(d) (C) | PZTS105 | 41.7 | 9 | 0 | 49.7 | 10 | 0 | 25.9 | 13 | 0 | 41.3 | 6 | 1 | 42.6 | 11 | 0 |
| 14 | DDW48(d)(I) (C) | PZTS114 | 46.1 | 5 | 1 | 40.9 | | | 29.9 | 11 | 0 | 35.7 | 13 | 0 | 45.3 | 7 | 1 |
| G.M. | | | 43.5 | | | 42.2 | | | 37.2 | | | 40.2 | | | 44.6 | | |
| S.E.(M) | | | 2.443 | | | 1.904 | | | 2.055 | | | 2.273 | | | 2.309 | | |
| C.D. (10%) | | | 7.0 | | | 5.4 | | | 5.9 | | | 6.5 | | | 6.6 | | |
| C.V. | | | 11.2 | | | 9.0 | | | 11.0 | | | 11.3 | | | 10.4 | | |
| D.O.S.(dd.mm.yy) | | | 15.11.20 | | | 12.11.20 | | | 05.11.20 | | | 10.11.20 | | | 15.11.20 | | |

**2051 - AVT-IR-TS-TAD-PZ , 2020-21
STATE AND ZONAL MEANS (q/ha)**

| SN | Variety | Code | Maharashtra | | | Karnataka | | | Zonal | | |
|------------|-----------------|---------|-------------|----|---|-----------|----|---|-------|----|---|
| | | | Yield | Rk | G | Yield | Rk | G | Yield | Rk | G |
| 1 | WHD965(d) | PZTS101 | 40.1 | 8 | 0 | 43.3 | 6 | 0 | 41.7 | 7 | 0 |
| 2 | HI8826(d) | PZTS103 | 46.3 | 1 | 1 | 44.0 | 4 | 0 | 45.1 | 1 | 1 |
| 3 | MACS4100(d) | PZTS104 | 40.9 | 7 | 0 | 47.1 | 1 | 1 | 44.0 | 2 | 1 |
| 4 | DDW53(d) | PZTS106 | 41.9 | 4 | 0 | 37.3 | 13 | 0 | 39.6 | 11 | 0 |
| 5 | NIDW1345(d) | PZTS107 | 39.9 | 9 | 0 | 39.3 | 11 | 0 | 39.6 | 12 | 0 |
| 6 | MACS4106(d) | PZTS109 | 37.5 | 12 | 0 | 36.2 | 14 | 0 | 36.8 | 14 | 0 |
| 7 | NIDW1348(d) | PZTS110 | 41.5 | 5 | 0 | 43.6 | 5 | 0 | 42.6 | 5 | 0 |
| 8 | HI8828(d) | PZTS111 | 36.6 | 14 | 0 | 37.4 | 12 | 0 | 37.0 | 13 | 0 |
| 9 | HI8827(d) | PZTS113 | 39.0 | 11 | 0 | 41.6 | 8 | 0 | 40.3 | 9 | 0 |
| 10 | MACS6222 (C) | PZTS108 | 41.5 | 6 | 0 | 44.2 | 3 | 0 | 42.8 | 3 | 0 |
| 11 | GW322 (C) | PZTS112 | 39.6 | 10 | 0 | 45.7 | 2 | 1 | 42.6 | 4 | 0 |
| 12 | UAS428(d) (C) | PZTS102 | 37.1 | 13 | 0 | 42.5 | 7 | 0 | 39.8 | 10 | 0 |
| 13 | MACS3949(d) (C) | PZTS105 | 43.2 | 2 | 0 | 40.2 | 9 | 0 | 41.7 | 6 | 0 |
| 14 | DDW48(d)(l) (C) | PZTS114 | 42.2 | 3 | 0 | 39.6 | 10 | 0 | 40.9 | 8 | 0 |
| G.M. | | | 40.5 | | | 41.6 | | | 41.0 | | |
| S.E.(M) | | | 0.867 | | | 0.986 | | | 0.657 | | |
| C.D. (10%) | | | 2.0 | | | 2.3 | | | 1.5 | | |

Summary of Disease Data and Agronomic Characteristics

Peninsular Zone

Trial: AVT-IR-TS-TAD-PZ, 2020-21

| SN | Variety | Code | LB reaction | Agronomic Characteristics | | | | | | | | Grain Characteristics | | | |
|----|-------------------|-----------|-------------|---------------------------|------|---------|-------|--------|------|------|------|-----------------------|------|-------|-------|
| | | | | Hd.R | Hd.M | Mat.R | Mat.M | Ht.R | Ht.M | Lod. | Thr. | Col. | Tex. | TGW.R | TGW.M |
| 1 | WHD965 (d) | PZ-TS-101 | 0 | 57-64 | 60 | 98-116 | 106 | 78-93 | 83 | 15 | Ey | A | SH-H | 40-50 | 48 |
| 2 | HI8826 (d) | PZ-TS-103 | 12(02) | 61-69 | 65 | 107-117 | 110 | 83-100 | 89 | 15 | Ey | A | H | 39-53 | 48 |
| 3 | MACS4100 (d) | PZ-TS-104 | 12(00) | 55-62 | 59 | 97-114 | 105 | 70-100 | 82 | 20 | M | A | H | 37-47 | 42 |
| 4 | DDW53 (d) | PZ-TS-106 | 12(01) | 64-71 | 67 | 108-119 | 112 | 78-99 | 87 | 15 | Ey | A | H | 36-48 | 44 |
| 5 | NIDW1345 (d) | PZ-TS-107 | 12(01) | 56-64 | 60 | 98-114 | 105 | 81-102 | 88 | 30 | Ey | A | SH-H | 34-43 | 41 |
| 6 | MACS4106 (d) | PZ-TS-109 | 00 | 58-64 | 60 | 99-114 | 105 | 78-104 | 87 | 25 | M | A | H | 36-50 | 46 |
| 7 | NIDW1348 (d) | PZ-TS-110 | 12(01) | 62-68 | 66 | 106-116 | 110 | 80-106 | 90 | 15 | Ey | A | H | 36-45 | 41 |
| 8 | HI8828 (d) | PZ-TS-111 | 57(34) | 59-65 | 62 | 100-117 | 109 | 77-102 | 87 | 55 | Ey | A | H | 43-48 | 46 |
| 9 | HI8827 (d) | PZ-TS-113 | 57(24) | 60-67 | 63 | 104-116 | 108 | 77-106 | 88 | 10 | Ey | A | H | 35-46 | 43 |
| 10 | MACS6222 (d) | PZ-TS-108 | 12(01) | 58-64 | 61 | 99-113 | 105 | 72-109 | 87 | 0 | Ey | A | SH | 38-47 | 45 |
| 11 | GW322 (d) | PZ-TS-112 | 57(23) | 55-64 | 60 | 99-112 | 105 | 75-99 | 85 | 5 | Ey | A | SH | 32-45 | 41 |
| 12 | UAS428 (d) (C) | PZ-TS-102 | 56(23) | 62-69 | 65 | 104-119 | 111 | 72-95 | 84 | 0 | Ey | A | SH | 40-46 | 44 |
| 13 | MACS3949 (d) (C) | PZ-TS-105 | 56(34) | 59-71 | 67 | 102-117 | 111 | 74-97 | 83 | 15 | Ey | A | H | 40-52 | 44 |
| 14 | DDW48 (d) (I) (C) | PZ-TS-114 | 0 | 63-73 | 67 | 105-119 | 111 | 80-101 | 87 | 5 | M | A | H | 38-46 | 43 |

1. Ancillary data from Akola, Dharwad, Kalloli, Mudhol, Nippani, Ugar, Niphad, Parbhani, Pune and Karad centres
2. Lodging data from Pune and Kalloli centres.
3. Leaf blight data from Pune, Dharwad and Kalloli centres.

AVT-IR-TS-TAD-PZ, 2020-21
Peninsular Zone

Individual centre leaf blight data

| SN | Variety | Code | LB reaction | | |
|----|-------------------|-----------|-------------|---------|---------|
| | | | Pune | Dharwad | Kalloli |
| 1 | WHD965 (d) | PZ-TS-101 | 00 | 00 | 00 |
| 2 | HI8826 (d) | PZ-TS-103 | 00 | 12 | 12 |
| 3 | MACS4100 (d) | PZ-TS-104 | 00 | 00 | 12 |
| 4 | DDW53 (d) | PZ-TS-106 | 00 | 00 | 12 |
| 5 | NIDW1345 (d) | PZ-TS-107 | 00 | 00 | 12 |
| 6 | MACS4106 (d) | PZ-TS-109 | 00 | 00 | 01 |
| 7 | NIDW1348 (d) | PZ-TS-110 | 00 | 12 | 12 |
| 8 | HI8828 (d) | PZ-TS-111 | 57 | 12 | 24 |
| 9 | HI8827 (d) | PZ-TS-113 | 57 | 0 | 24 |
| 10 | MACS6222 (d) | PZ-TS-108 | 00 | 12 | 00 |
| 11 | GW322 (d) | PZ-TS-112 | 57 | 00 | 01 |
| 12 | UAS428 (d) (C) | PZ-TS-102 | 57 | 00 | 01 |
| 13 | MACS3949 (d) (C) | PZ-TS-105 | 57 | 12 | 24 |
| 14 | DDW48 (d) (I) (C) | PZ-TS-114 | 00 | 00 | 00 |